

FIG. 1

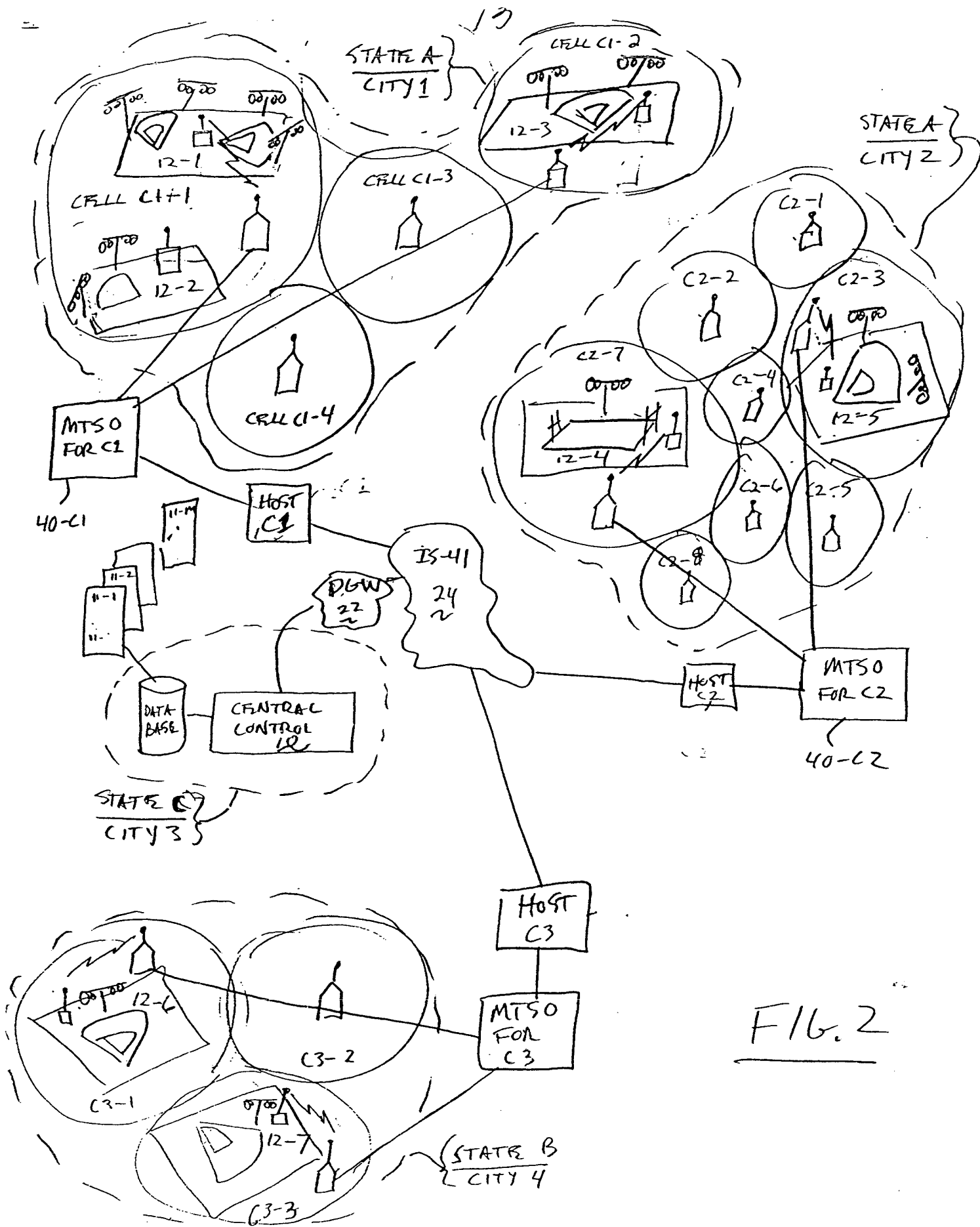


FIG. 2

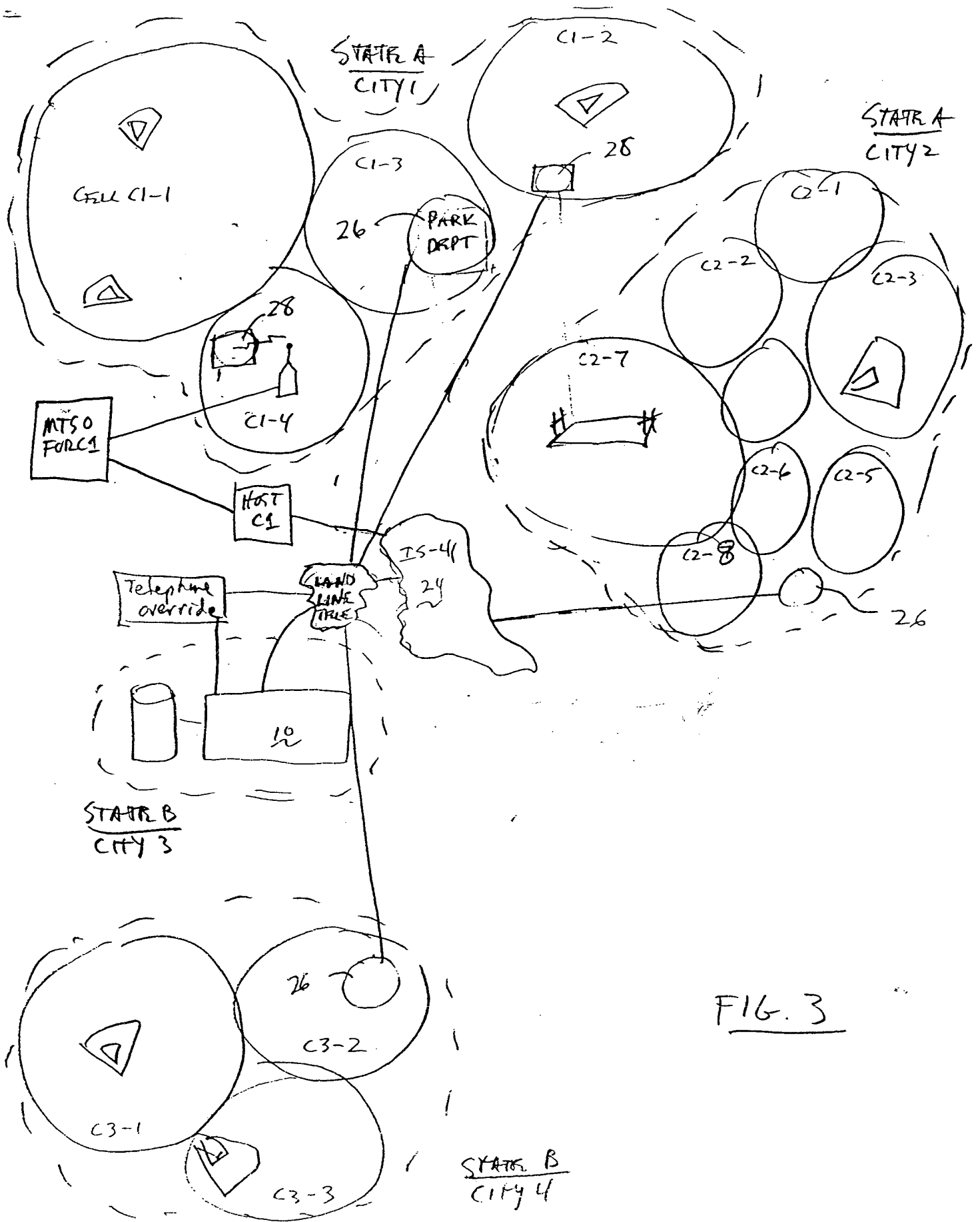


FIG. 3

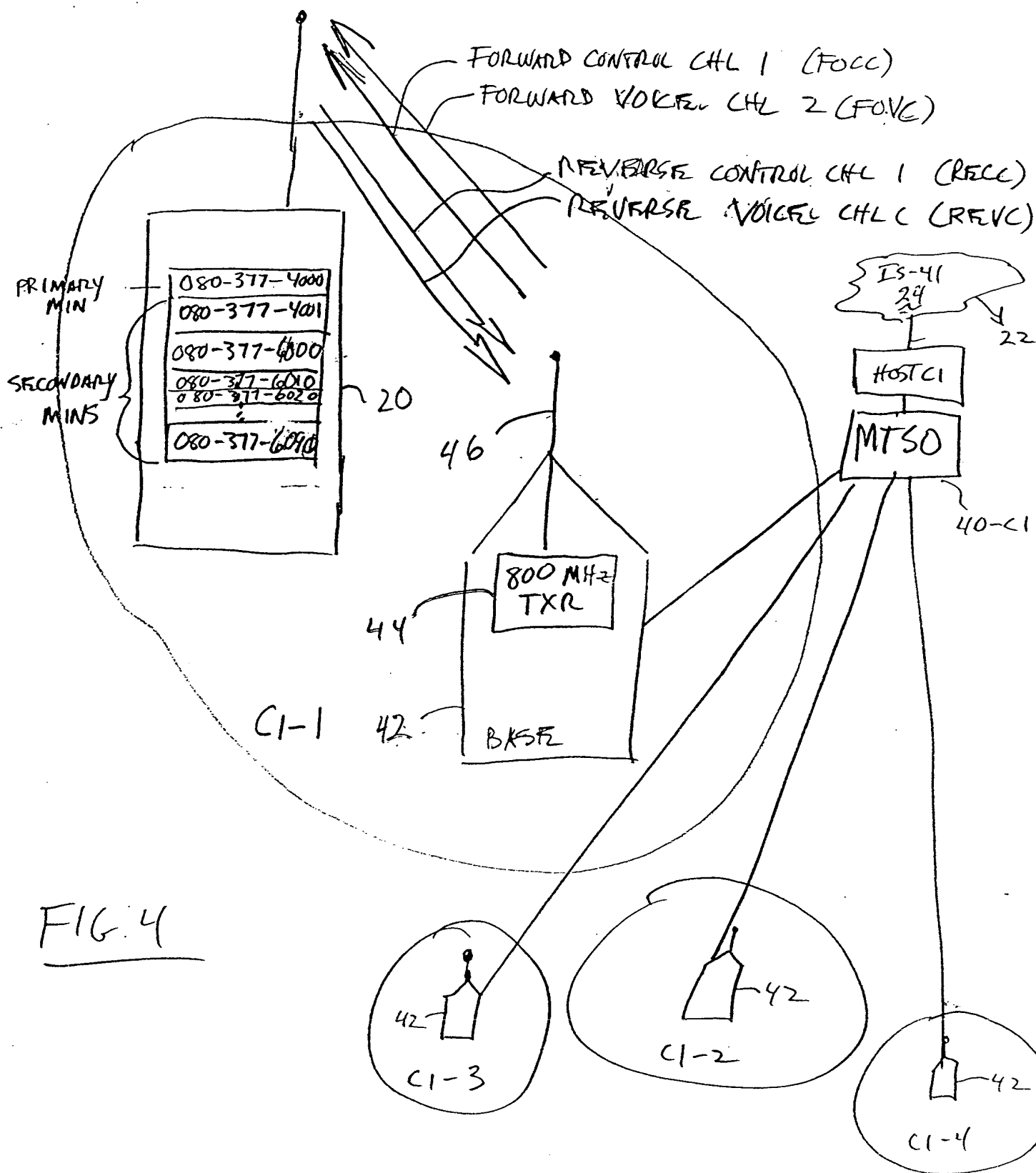


FIG. 4

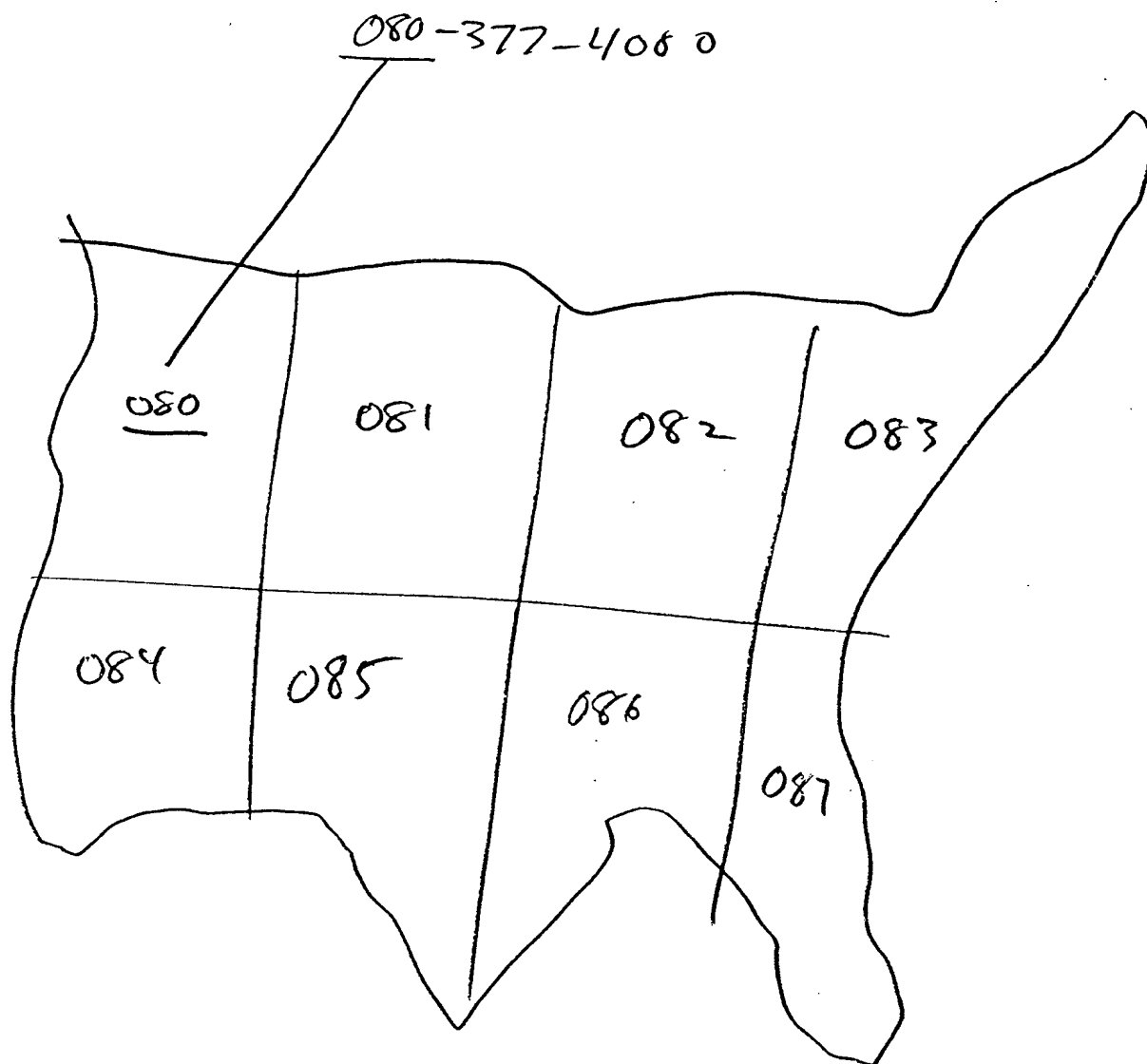


FIG. 5

$$080 = 377 - 4000$$



FIG. 6

080-377-4000

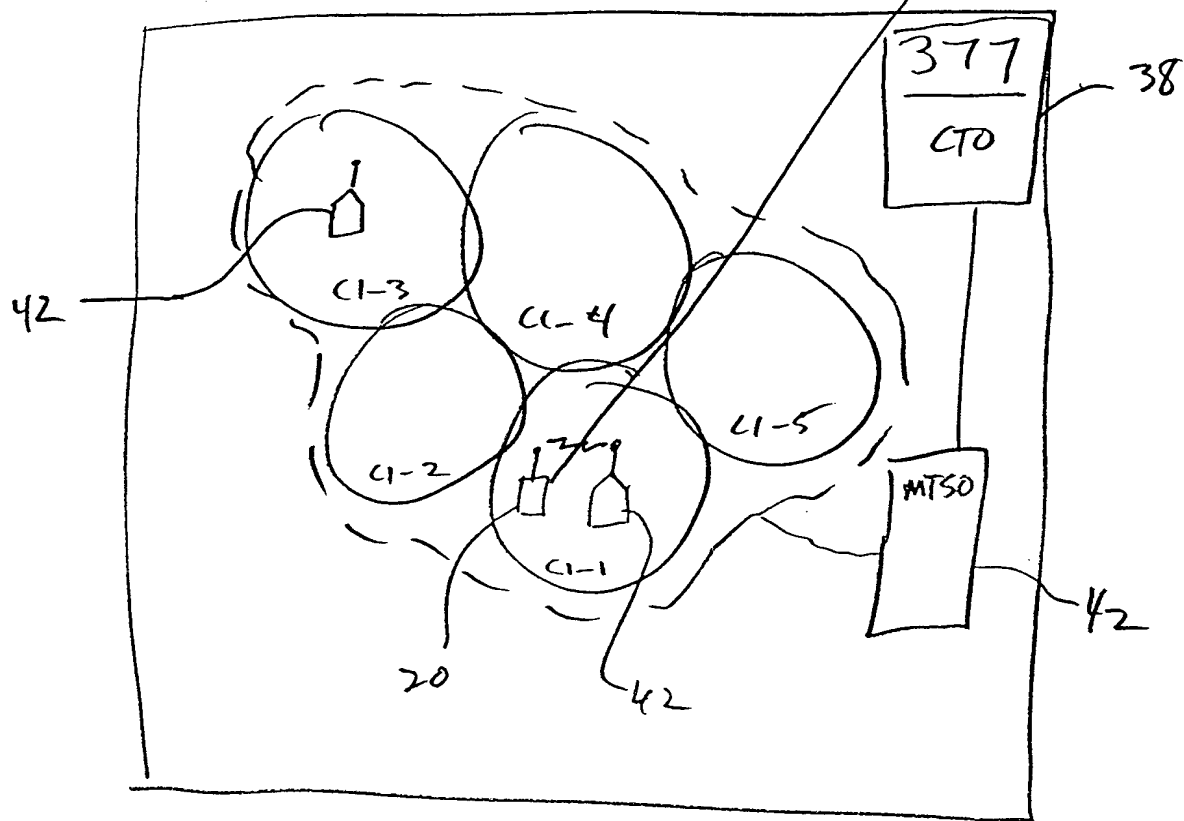
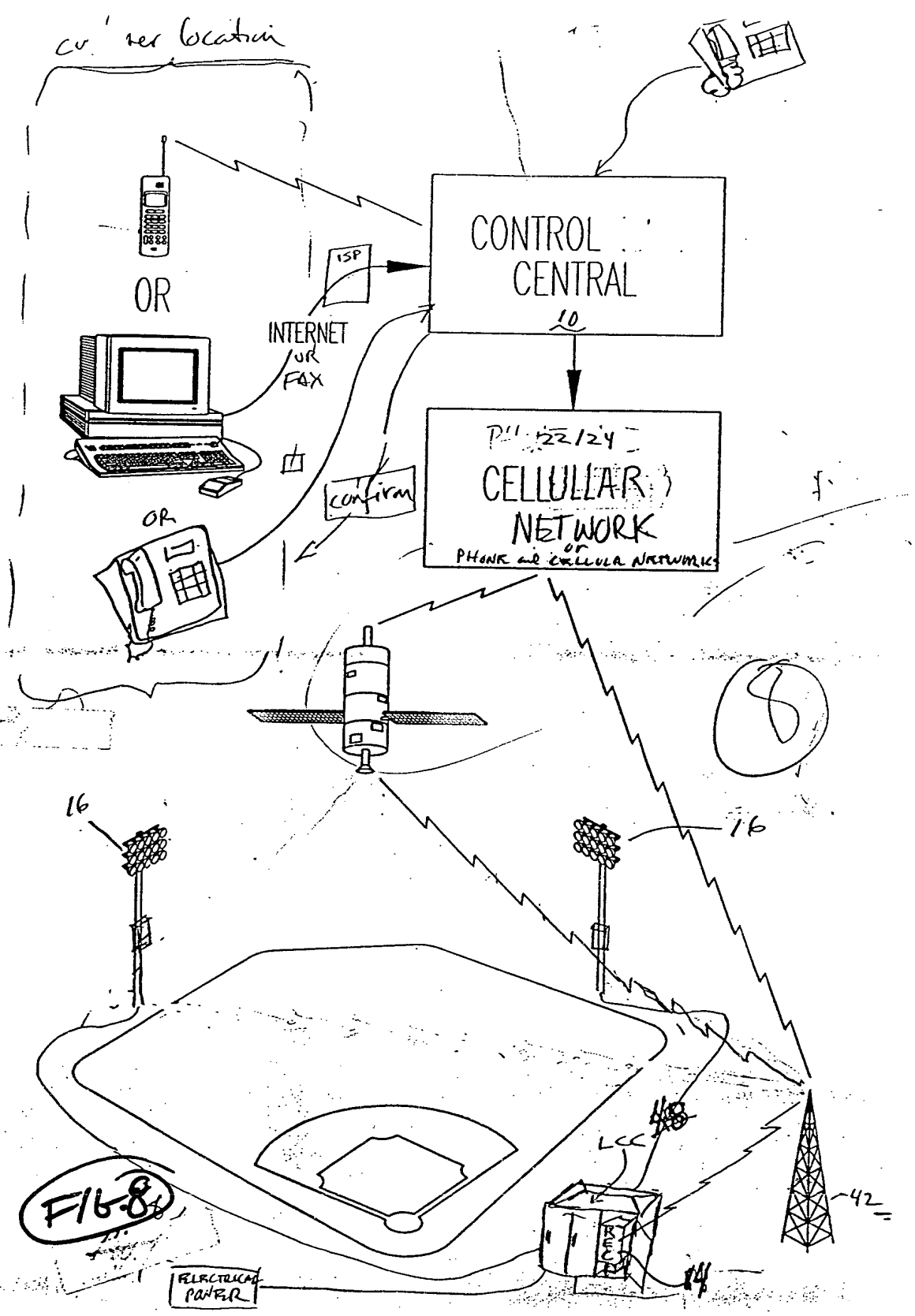
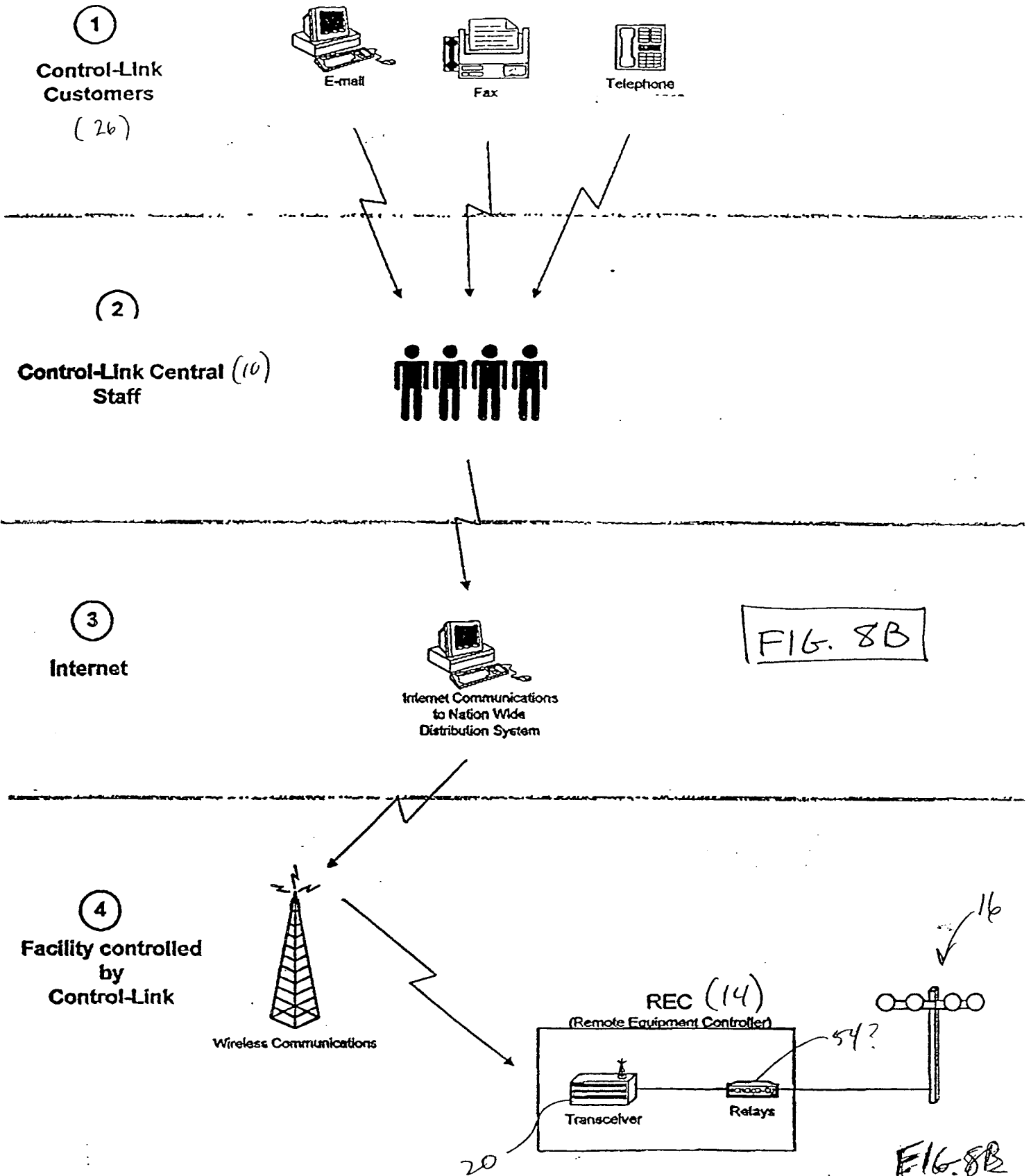


Fig. 7



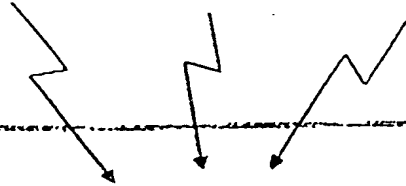
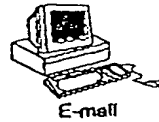
Control-Link Flow



Control-Link Flow Phase 1

PAGE 2

Control-Link
Customers
(26)



Control-Link Central Staff
(10)



WEB Access to
Scheduling Site



Scheduling Database

BackEnd Software Process to
send schedules to the gateway



22

Facility controlled
by
Control-Link

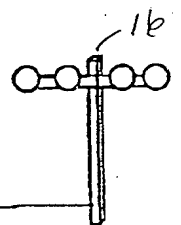
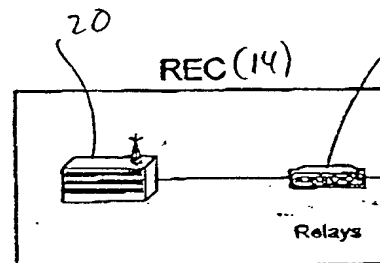
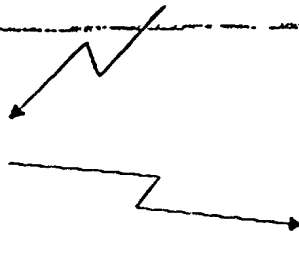
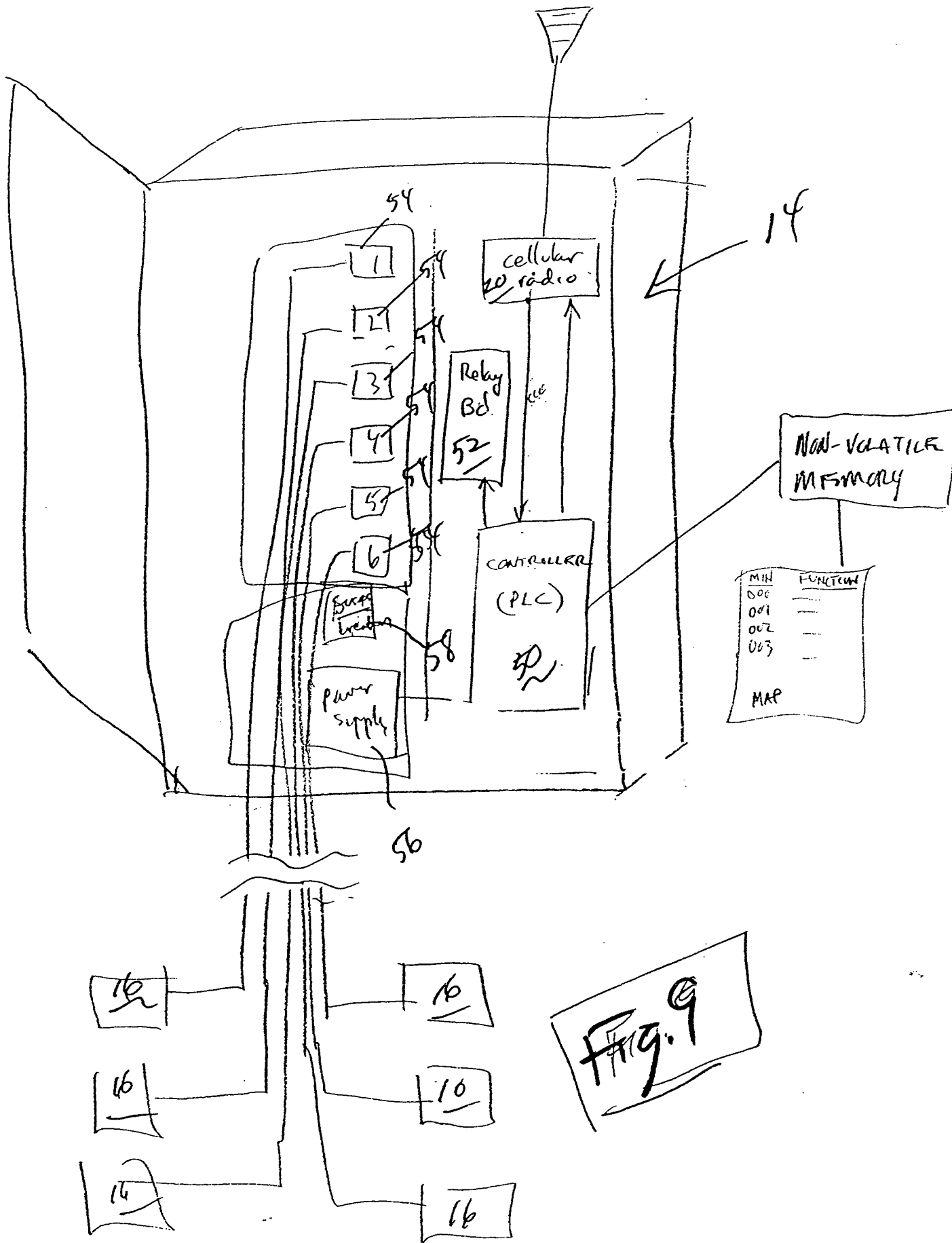


FIG. 8C

FIG. 8C



Remote Equipment Controller (REC)

- Completely assembled and tested
- Only 3 electronic assemblies
- Built-in diagnostics and test buttons

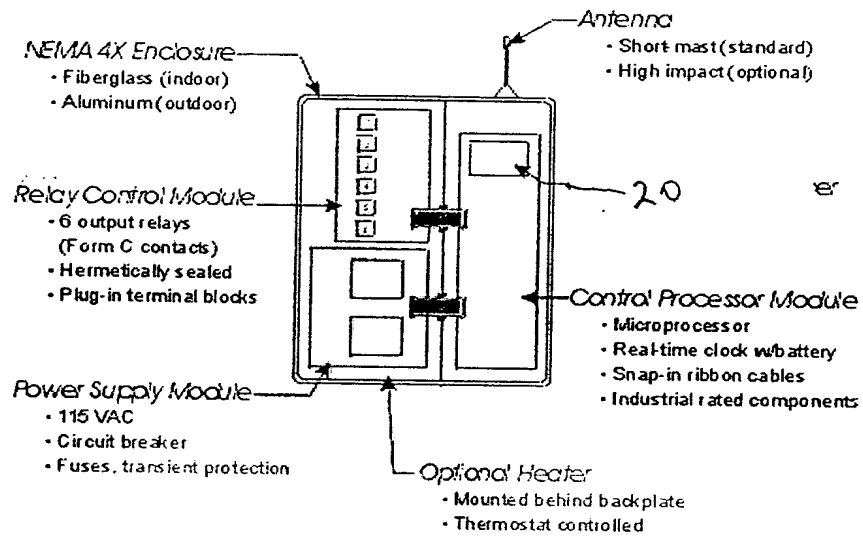


FIG. 9B

SCHEDULE

STATE A, CITY 1

Location: Twin Peaks Park

<u>Lighting Zone</u>	<u>ON Time</u>	<u>OFF Time</u>
Softball infield	18:00	22:30
Softball outfield	18:15	22:15
Soccer field	17:00	21:00
Security Lights	19:00	6:00

FIGURE 10

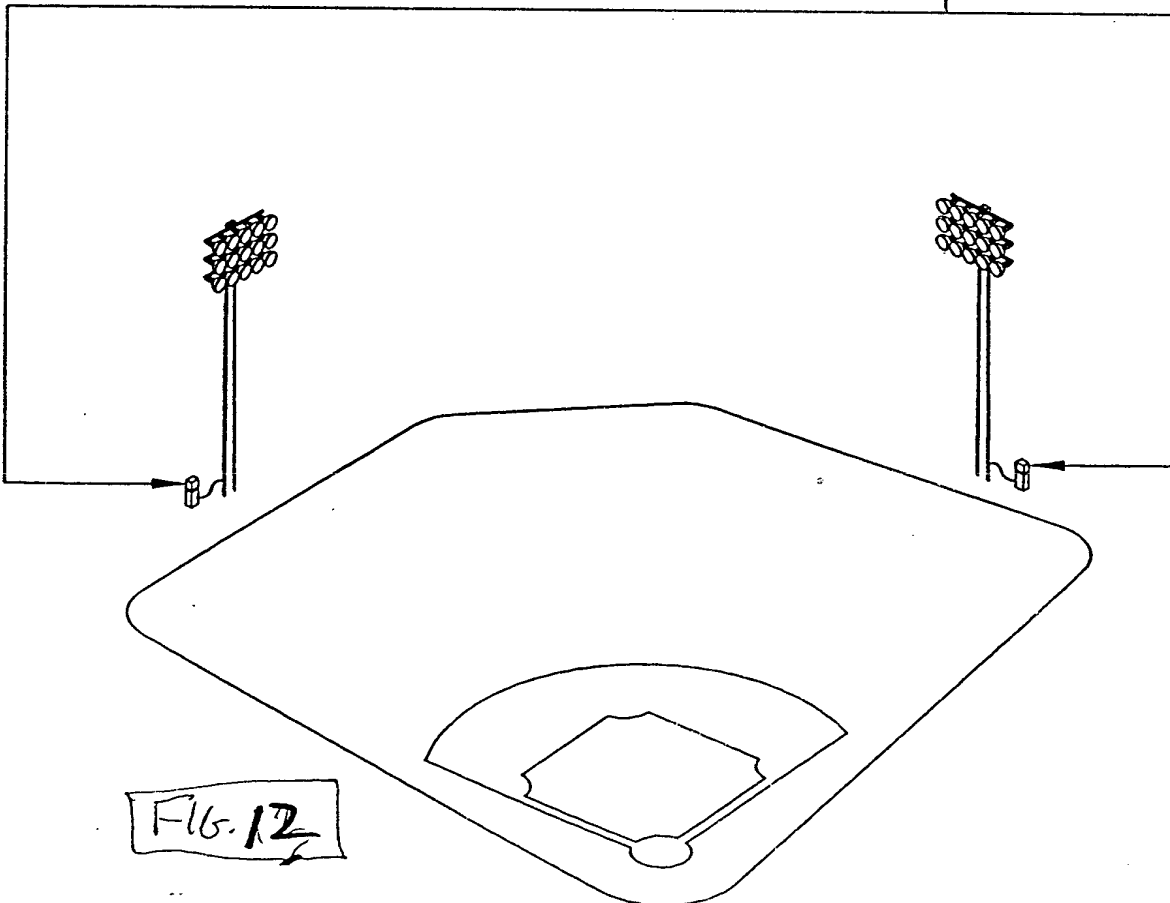
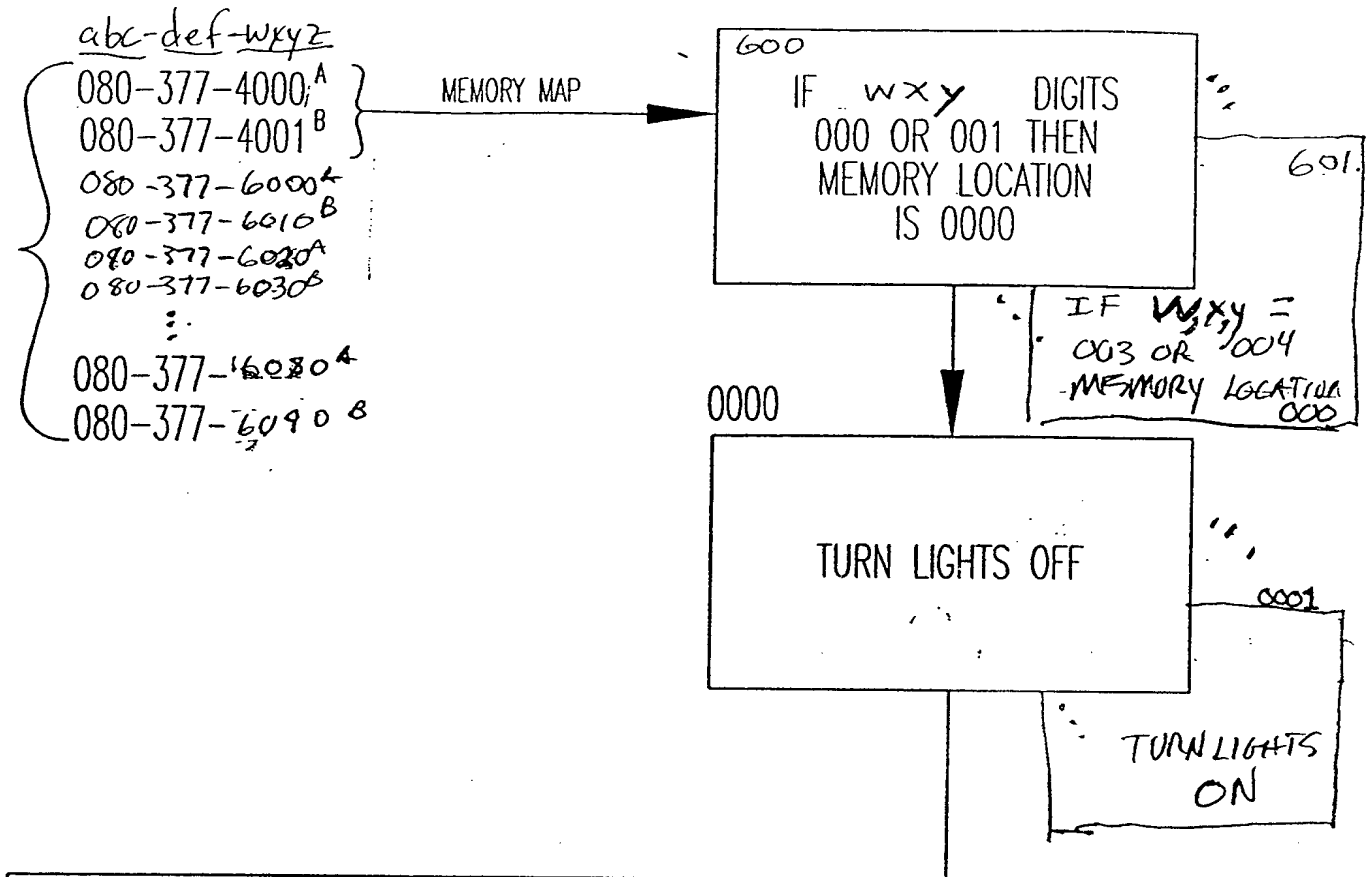
REC WIRING DATA

LOCATION (FIELD, BALLPARK): _____

REMOTE EQUIPMENT CONTROLLER: _____

RELAY	CONTROL ZONE	POLES	CONT ACTORS	DEFAULT STATE
1				
2				
3				
4				
5				
6				

FIGURE 11



Login

Application ID	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Login"/>	

FIG. 13

Menu

New Login
Activate New Unit
Deactivate Unit
Subscriber Data
Notification Strategies
ESN Data Decoding
Unit Configuration
View Unit Registrations
View Unit Notifications
Program Unit
Output Control
1601 SACI Docs



FIG. 14

Output Control

Menu

Unit Number 0061014000

Refresh

Immediate Control

Send

	On	Output	1	2	3	4	5	6	7	8
	Off	State								

Schedule: undefined undefined

Row#	Mnth	Day	Once	Hour	Min	MO	TU	WE	TH	FR	SA	SU	Op1	Op2	Op3	Op4	Op5	Op6	Op7	Op8
2 ✓			×	11	10	✓	✓	✓	×	✓	✓	✓								
1 ✓			>	11	16	×	×	×	✓	×	×	×								

Click cell image to toggle setting. Click "Rec#" cell image to delete record.

Insert

Update

Cancel

F16.15



MUSCO Control-Link Scheduler

07/02/1999

Instructions: 1. Follow instructions 1-4 below.

2. When completed email this form to schedule@musco.com or Fax to 800-XXX-XXXX

* If you have any question or problems call Control-Link Central directly at 877-XXX-XXXX

Customer Name: **City of Bartlett**

Customer Number: **XYZ**

City & State: **Bartlett TN.**

1. Fill In Usercode, Password, and Facility.

Usercode: [Required]
Password: [Required]
Facility: [Required]

2. If you would like your confirmation sent differently than indicated below, please let us know how you would like your confirmation sent, i.e. phone, email, or fax.

Send back confirmation of the schedule to:

3. Established Weekly Schedules. (These occur weekly by default)

Begins Week of:

Zone Required	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off

4. Fill In any Exception Scheduling needs which are different than your Fixed Schedule

Zone	Start Date	Start Time	End Date	End Time

Note: Lack of required Information will delay the implementation of your schedule

F16.16

Musco Light Zone Information Form

City: [REDACTED]

State: [REDACTED]

Time Zone: [REDACTED]

DayLight Savings Time Y/N: [REDACTED]

Facility Name: [REDACTED]

Unit/REC Number: [REDACTED]

Relay 1 Description: [REDACTED]

Relay 2 Description: [REDACTED]

Relay 3 Description: [REDACTED]

Relay 4 Description: [REDACTED]

Relay 5 Description: [REDACTED]

Relay 6 Description: [REDACTED]

Customer Light Zones:

Description

Relays

Schedule Information:

FIG. 17

Customer Information Form

Musco Control-Link Customer Information Form

Customer Information

Name:

Address 1:

Address 2:

City:

State:

Zip:

Phone:

Fax:

Main Contact Information

Main Contact Name:

Day Phone:

Night Phone:

Cell Phone:

Pager:

F16.18

Facility Information Form

Musco Control-Link Facility Information Form

Customer Name:

Facility (Park) Name:

Address 1:

Address 2:

City:

State:

Zip:

Phone:

Emergency Contact Information

Emergency Contact Name:

Phone:

Time Information:

Time Zone:

Day Light Savings Time Y/N:

FIG. 19

Scheduler Information Form

Musco Control-Link Scheduler Information Form

Customer Name:

Scheduler Name:

Address 1:

Address 2:

City:

State:

Zip:

Phone:

Cell Phone:

Fax:

Email:

Pager:

UserCode:

Password:

Facilities (Parks) they are allowed to schedule:

FIG. 20

User Information Form

Musco Control-Link User Information Form

Customer Name:

(Park) User Name:

Address 1:

Address 2:

City:

State:

Zip:

Phone:

Fax:

Email:

Main Contact Name:

Facilities (Parks) they are allowed to use:

F16.21

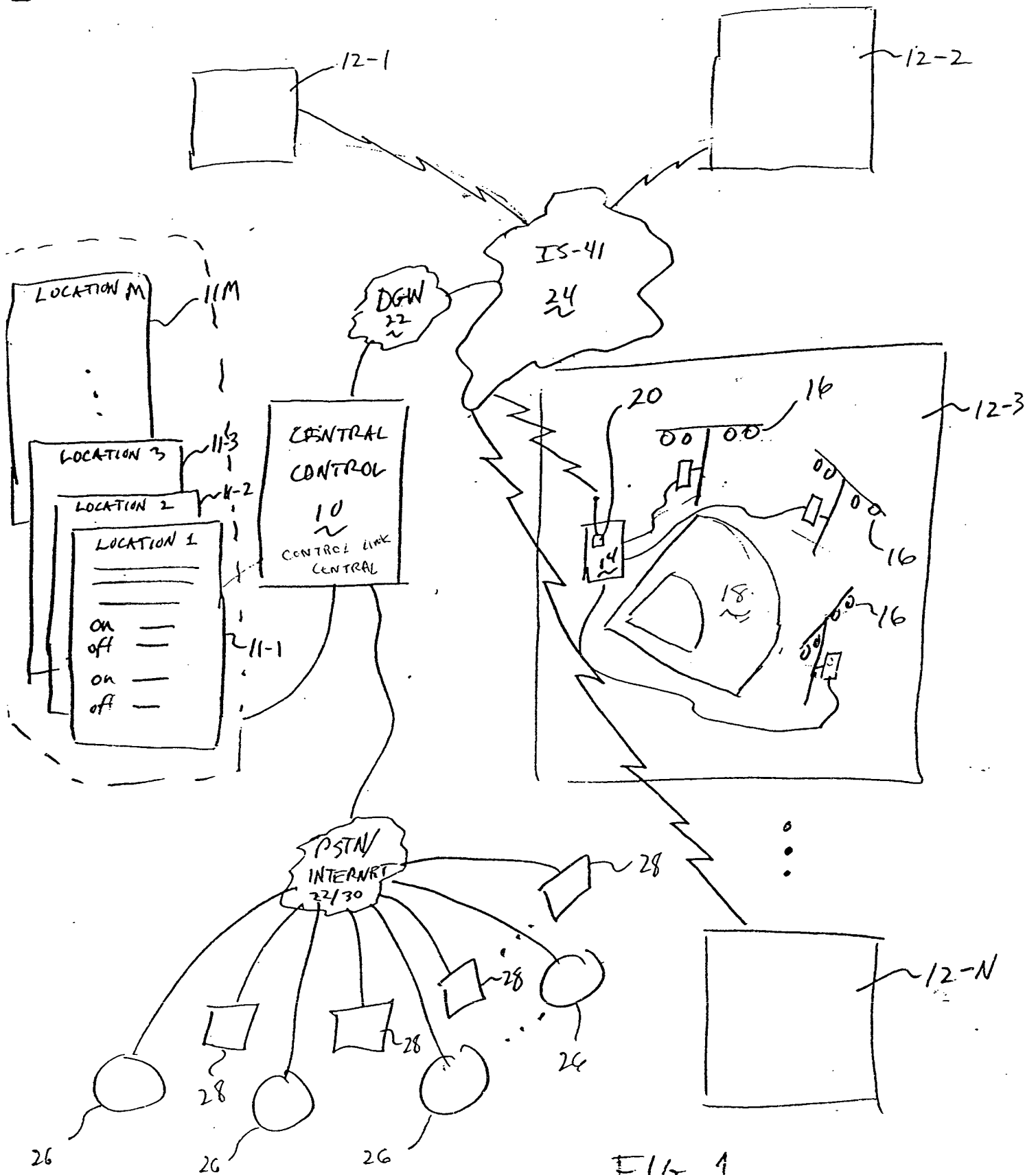
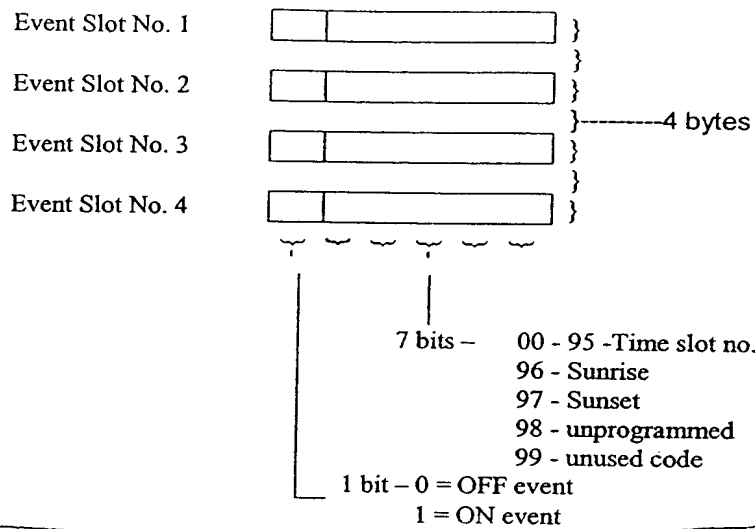


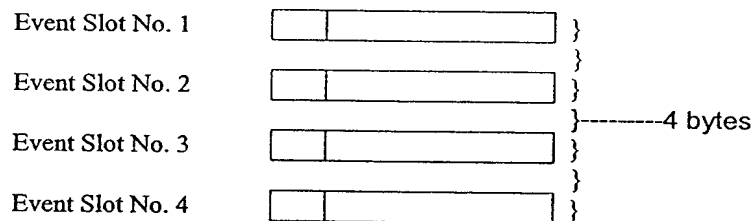
FIG. 1

Group No. 1

Day No. 1



Day No. 7



Group No. 2

Group No. 10

FIG. 22

Generic Form of a Command with Two FOCC and One RECC

1. FOCC Address Page

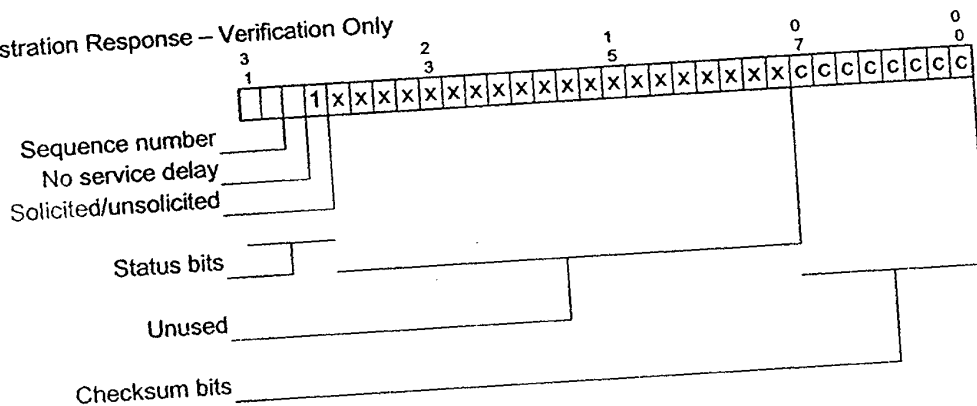
2. FOCC Data Page No. 1 (using Primary commands MINs)

0	0	0	0					0
	0	0	0	0				0
		0	0	0	0/1			0/1

3. FOCC Data Page No. 2 (using Secondary command MINs)

0	0	0	0					0
	0	0	0	0				0
		0	0	0	0/1			0/1

4. Registration Response – Verification Only



Checksum is the decimal sum of the last three (3) digits of address page plus the last three (3) digits of command page plus last three (3) digits of data page represented as an eight (8) bit value. The result is then converted to a One's Complement and kept as a single 8-bit value.

Example:

FOCC Address page: 0 0 6 1 0 1 4 0 2 7
 FOCC Command page: p p p p p p p 5 0 5
 FOCC Data page: s s s s s s s 1 5 1

Registration: 0 1 0 1 0 1 1 1 1 0 1 1 1

Checksum: 0 + 2 + 7 + 5 + 0 + 5 + 1 + 5 + 1 = 26 = 00011010
 One's complement: 11100101

FIG 23